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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/528,486	03/18/2005	Herbert Lifka	NL020885US	5058
24737 7590 06/01/2009 PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510				
EXAMINER				
ROY, SIKHA				
ART UNIT		PAPER NUMBER		
2879				
MAIL DATE		DELIVERY MODE		
06/01/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/528,486

Applicant(s)

LIFKA ET AL.

Examiner

Sikha Roy

Art Unit

2879

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 May 2009.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 9-15 and 24-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 9-15, 24 and 25 is/are allowed.
- 6) ☒ Claim(s) 26-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S5108)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date _____

DETAILED ACTION

The Amendment, filed on May 15, 2009 has been entered and acknowledged by the Examiner.

Cancellation of claims 1-8 and 22, 23 has been entered.

Claims 9-15 and 24-28 are pending in the instant application.

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 26-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over USPN 6,414,249 to Vickers, and further in view of USPN 6,787,992 to Chuman et al.

Regarding claim 26 Vickers discloses (Figs. 2, 5 7,9 col. 6 lines 62-67, col. 7 lines 35-67 col. 8 lines 1-34) an electrical device comprising a plurality of electrodes (anodes) on a substrate 62, the plurality of electrodes corresponding to a plurality of components, a plurality of first connecting lines 50R, 50G, 50B electrically connected to the plurality of anode electrodes, a plurality of second connecting lines (buses) 52,54,56, each of the plurality of first connecting lines 50R, 50G, 50B being electrically connected to one of the plurality of second connecting lines (bus lines), an insulating

layer 66 covering at least a portion of each of the plurality of first connecting lines and the plurality of second connecting lines, wherein at least one first connecting line 50R connects with one second line 52 of the plurality of second connecting lines 52,54,56 through an opening 60 in the insulating layer by bridging at least one other second conducting line 54 at a crossover 70, the crossover being insulated from at least one other second connecting line by the insulating layer.

Vickers does not exemplify the crossover being insulated from at least one of other first connecting lines by an insulating structure surrounding the crossover and the opening.

Chuman in relevant art discloses (Figs. 5-7 col. 5 line 64 thru col. 6 line 6) an electrical device with plurality of first connecting lines 19 bridging over a plurality of second connecting lines 16 (bus electrodes) at a crossover, the crossover being insulated from at least one of other first connecting lines by an insulating structure 17c surrounding the crossover. Chuman discloses this configuration prevents the first connecting lines from being shorted with the second connecting lines and provides a solid crossing.

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the crossover of Vickers insulated from at least one of other first connecting lines by an insulating structure surrounding the crossover as suggested by Chuman for preventing the first connecting lines from being shorted with other second connecting lines and thus providing a solid crossing. Although Chuman does not disclose the insulating structure around the opening it would have been

obvious to modify the crossover and the opening of Vickers surrounded by the insulating structure of Chuman as this results from simply extending the insulating structure along the length of the first connecting lines of Vickers upto the opening where the first connecting line contacts the second connecting line, since rearranging parts of an invention involves only routine skill in the art.

Regarding claim 27 Vickers discloses the plurality of components comprise plurality of pixels.

Regarding claim 28 Vickers discloses the plurality of second connecting lines 52 (red color bus), 54(for green), 56 (for blue)provide corresponding plurality of color signals R, G, B for sub-pixels within the pixels connected to the plurality of first connecting lines 50R, 50G and 50B.

Allowable Subject Matter

Claims 9-15 and 24,25 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claim 9 the prior art of record neither teaches nor suggests the method for manufacturing an electrical device with all the combination of limitations as claimed and particularly forming an electrically insulating structure peripherally surrounding at least a portion of the area where crossover is formed and depositing an electrically conductive layer on the insulating layer to connect the first connecting line to connecting point.

Claims 10-15 and 24,25 are allowed because of their dependency status from claim 9.

Response to Arguments

Applicant's arguments with respect to claims 9 and 26 have been considered but are moot in view of the new ground(s) of rejection.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikha Roy whose telephone number is (571) 272-2463. The examiner can normally be reached on Monday-Friday 8:00 a.m. – 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (571) 272-2457. The fax phone number for the organization is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Sikha Roy/
Primary Examiner, Art Unit 2879

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Art Unit: 2879

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